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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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JC511 U.S. PTO
02/13/02

A

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 112025-0482

First Inventor Silvano Gai et al.

Title SYSTEM AND METHOD FOR PERFORMING REGULAR EXPRESSION MATCHING WITH HIGH PARALLELISM

Express Mail Label No. EL 705610246 US

JC979 U.S. PRO
02/13/02**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 30]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 12]
- Oath or Declaration [Total Pages 2]
- Newly executed (original or copy)
- Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
- DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
- Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)
 - Computer Readable Form (CRF)
 - Specification Sequence Listing on:
 - CD-ROM or CD-R (2 copies); or
 - paper
 - Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

- Assignment Papers (cover sheet & document(s))
- 37 C.F.R. §3.73(b) Statement Power of Attorney (*when there is an assignee*)
- English Translation Document (*if applicable*)
- Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
- Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
- Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____ /

Prior application information: Examiner _____

Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS Customer Number or Bar Code Labelor Correspondence address below

| | | | | | |
|---------|--|-----------|----------------|----------|--------------------|
| Name | Michael R. Reinemann | | | | |
| | PATENT TRADEMARK OFFICE 24267 | | | | |
| Address | Cesari and McKenna 88 Black Falcon Avenue | | | | |
| City | Boston | State | MA | Zip Code | 02210 |
| Country | U. S. A. | Telephone | (617) 951-2500 | | Fax (617) 951-3927 |

| | | | |
|-------------------|----------------------|-----------------------------------|------------------------|
| Name (Print/Type) | Michael R. Reinemann | Registration No. (Attorney/Agent) | 38,280 |
| Signature | | | Date February 13, 2002 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

780

Complete if Known

| | |
|----------------------|--------------------|
| Application Number | Not yet assigned |
| Filing Date | February 13, 2002 |
| First Named Inventor | Silvano Gai et al. |
| Examiner Name | Not yet assigned |
| Group Art Unit | Not yet assigned |
| Attorney Docket No. | 112025-0482 |

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 03-1237

Deposit Account Name Cesari and McKenna, LLP

Charge Any Additional Fee Required
Under 37 C.F.R. §§1.16 and 1.17

Applicant claims small entity status.
See 37 CFR 1.27

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|-----------------------------------|----------|----------|----------|--|----------|
| 105 | 130 | 205 | 65 | Fee Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 | Non-English Specification | |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | |
| 112 | 920 | 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840 | 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 | Extension for reply within first month | |
| 116 | 400 | 216 | 200 | Extension for reply within second month | |
| 117 | 920 | 217 | 460 | Extension for reply within third month | |
| 118 | 1,440 | 218 | 720 | Extension for reply within fourth month | |
| 128 | 1,960 | 128 | 980 | Extension for reply within fifth month | |
| 119 | 320 | 219 | 160 | Notice of Appeal | |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | |
| 121 | 280 | 221 | 140 | Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | |
| 141 | 1,280 | 241 | 640 | Petition to revive - unintentional | |
| 142 | 1,280 | 242 | 640 | Utility Issue fee (or reissue) | |
| 143 | 460 | 243 | 230 | Design Issue fee | |
| 144 | 620 | 244 | 310 | Plant Issue fee | |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | 40 |
| 146 | 740 | 246 | 370 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) | | | | SUBTOTAL (3) (\$) | |
| *Reduced by Basic Filing Fee Paid | | | | SUBTOTAL (3) (\$) | |
| | | | | 40 | |

**or number previously paid, if greater; For Reissues, see below

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|---|-----------------------------------|--------|-----------|-------------------|
| Name (Print/Type) | Michael R. Reinemann | Registration No. (Attorney/Agent) | 38,280 | Telephone | (617) 951-2500 |
| Signature |  | | | Date | February 13, 2002 |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, U.S. Patent and Trademark Office, Washington, DC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
Silvano Gai et al.)
Serial No.: Not yet assigned) Examiner: Not yet assigned
Filed: February 13, 2002)
For: SYSTEM AND METHOD FOR) Art Unit: Not yet assigned
PERFORMING REGULAR EX-)
PRESSION MATCHING WITH)
HIGH PARALLELISM)
Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
February 13, 2002

EXPRESS-MAIL DEPOSIT

"Express Mail" Mailing-Label Number: EL 705610246 US

The following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Patent Application (30 pages including 20 claims) | <input checked="" type="checkbox"/> Fee Transmittal Letter |
| <input checked="" type="checkbox"/> Oath or Declaration | <input checked="" type="checkbox"/> Assignment With Recordation Form |
| <input checked="" type="checkbox"/> Utility Patent Application Transmittal Letter | <input checked="" type="checkbox"/> Cover Sheet |
| <input checked="" type="checkbox"/> Informal Drawing (12 sheets) | <input checked="" type="checkbox"/> Check in the amount of \$780.00 |
| <input checked="" type="checkbox"/> Request and Certification Under 35 U.S.C. 122 (b)(2)(B)(i) | <input checked="" type="checkbox"/> Return Receipt Postcard |

**REQUEST AND CERTIFICATION
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

| | | | |
|--------------------|--|----------------------|--------------------|
| | | First Named Inventor | Silvano Gai et al. |
| Title | SYSTEM AND METHOD FOR PERFORMING REGULAR EXPRESSION MATCHING WITH HIGH PARALLELISM | | |
| Atty Docket Number | 112025-0482 | | |

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

February 13, 2002

Date

Signature

Michael R. Reinemann, Reg. No 38,280

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.